

SEQUENCE LISTING

<110> Dale, James Langham
Harding, Robert Maxwell
Becker, Douglas Keith
Hafner, Gregory John
Yang, Ilin

<120> Transcriptional Control Element, Chimeric Constructs and Uses
Therefor

<130> 21415-0013

<140> 10/521,571
<141> 2005-01-18

<150> PCT/AU2003/000919
<151> 2003-07-17

<150> USSN 60/396,912
<151> 2002-07-17

<160> 29

<170> PatentIn version 3.2

<210> 1
<211> 6523
<212> DNA
<213> Taro bacilliform virus

<400> 1
atggcaaaga aatttgaagc agctattaaa gactggtatg ataactctcg acgagcagat 60
ctttcctatc ttgacctagc caccactaca aaaccttctg catcacaatt agctcataat 120
ctacaagtca tttttgatag attatcctta cattcttcag tctccattaa ggaacattac 180
gaagtagtta gcaaacttca ttctttggaa aaatctatag aagaattaaa gtctgaattg 240
actacgggtca aaagggcttt aacttctatc caaaaagaag ttttcaccca caaacccctc 300
acagcacagg aagtgcaaac ccttgcacaa agtctgatca aagaacctaa gcaaatagaa 360
cagcaggccg tatttcttct aaaggagctt aaagaacaaa cagcaaaaat tcaagctttg 420
ctccacgagc ttaaaagttg atgtctgtac ctaattccac ataccagggt tacatcaaaa 480
gtttagaaga aacaaaagtc ttaggagatc catctgtagg attctctgaa attcctacca 540
ctgctatcgg aaccgctaca gggttttcaa ctctttataa gcagaacaat acaatcatca 600
atctgcttat atctcttcat aaaaaggttg atagcctctc caaaaagaca gacgtcgacg 660
agttagccac tgagttgtcc aaactcacia tcaaggatag cccaaagggt aaggctaaaa 720

ctcctctata cgtcttcaag agtccccgtc ttatcctcga agaggaaaga tataaaatcg	780
gccttcctcc taccactacc gattggactt ggctgtagg acatcctttt gctcctccac	840
caaaaacatc cacaaaggca tccacctctt cttaaagatg tctttagcag ttcgtgatcg	900
tggttccaac ccttccacct cttctacagt ccctagtcag caggaccaga ttcgggatta	960
tagaaacatg caaagagtgc gtcatacagc ggaaagagca gcaaggagaa tcttccctgg	1020
aagattcaat agaactctgg aatcacaaat caatccagag gcagaaatcc gtctttctca	1080
acaaagacga gcagcaatgg tcccagcaga agtattatac aatacttctc catcaacaag	1140
aaatcagaaa gtgtatcagc actattctga agaaagaatt ctttgtacag gacaaaatca	1200
gcaattaaat ttgccattta ttaatgaatc ttcttacaga gccctcagag aatcagggtca	1260
acagcatctt cacataggcc tgatcatgat tcgtgtacat cctcttcacg ggcgaaatgc	1320
aggaacgaca gctcttattg tccctcgaga cataagatgg aatgatgaca gatctatcat	1380
tggcaccatg gagatagatc tcagcgccgg atcccaaatt gtttatattg ccccaaatat	1440
catgctatct gttgaagatt tttatcgcaa catacaactt gcgattcaaa ctcagggcta	1500
tgaaaactgg aactctgccg agagtaactt gctcatctct cgcgctctta ttggtcgtct	1560
gacaaacgac agttttacag gattccagta caatatctct aatgttgctg agtacttgca	1620
cagtcatggt gtgcaagcta ttgaaggaca agctcatcca agaaccctcg gcaatcgatg	1680
gatcctacaa gcaccagcac caccaaggtc tctcgttcca caaaacgtgg agaccaccac	1740
tcttctggat ggtaatgtgt ctatacgttt ctccaattac catcaagcac cagttaatga	1800
tactcaggat aattctcatc ctgatatcca agaagacgaa aaccaattca ttggttttct	1860
ttctgatttg ggggaagaat atgaattgga gtatccttct ttcactccag ttcatgcaga	1920
tgaattcatt tttataatca ttaatgggga agaaattccc gatgattttg tctcatcttt	1980
ttgttccaat ttctctcctc caccaattcc agaaccagaa cccacagcca ttgaagaaac	2040
agcttttact ttggaagaac aattcaatga cctggactat cctaccctca tttcaatgga	2100
aaaacaatta gtccagtctt cagttacttc agcttacaac ccacccacag aacctcttat	2160
gggtcaggta gtctatccac cagcatctgc acctagacca caagctgaaa cttcttcaac	2220
ctctgaaaga ttcaaaaatt tcagagcaaa gccatatagt accccgacta ttttctacc	2280
tccagcatac aatcaacaag gggctatatt agttcttcct gatgacattg gcttatatga	2340
agataccatt tctcgttggg agtccattac tctcaacatg atgaatgaaa aggtttggcc	2400
atcaaatgaa gcaaaggcca aatatatgga aaatctctta ggagaaatgg agaagaagac	2460

atggatacaa tggaggacca catatgtatc cgaatatgat gctttggtcc aacaaagtga	2520
tgaaacacag aacctcctgt ctcaggtaag gaggatattt ctgctacaag acccatatca	2580
aggatcaact gcggaacaag atcaggcata taatgatctt gaaagaattt cttgtgataa	2640
tattaaggat ttaattcctt atctgattca gttccgcaat ttagctgcaa aatctggacg	2700
cttgttctta ggtccagaat tatctgaaaa attattcaga aaaatgccgc ctctaatagg	2760
caaagaaatt gaaacagcat tcatagcaaa gcatggtaat gcaaacaatca ctgttatgcc	2820
tgcattcat tttgcttacc attatcttgc tgaattatgt aaaaaggcag cattacagag	2880
atcattgaag gatctcagct tctgcaacca gattcctctc ccaggaatct atacaaaagg	2940
caacaagaag tttggtcttc gaaaggccag aacatacaaa ggaaaaccac atccaacaca	3000
tgtacgggta ttcaaaaagg caaaatacca gcgtacaaag aagtgc aaat gctttatatg	3060
tggtgaacca ggacatcttg ctcgagaatg cacaaagcaa agaggaaata ttgtacgagc	3120
aacagtacat caagaactgg ccataccaga taattttgat gttgtttctg tggatgcaga	3180
tgaatctgac agctctggca tctacagtta ttcggaaaat gaagctcctc tgcaagaagt	3240
aaattctttc attcatgatg aaaatatctt tttcctatct gatgcagacg agtttgaaag	3300
cccacaacag catcttcatg aaacggtaaa tatgcttcaa tctagatctg cttatttacc	3360
tcaagtagct gttggagaag aaaaattgaa ttgtagtcac atttggctac aagatgttga	3420
tattccatct gataagcaca aatgccacac atgtagaaga gacactcaga aacattacag	3480
actggaatgt caaaaatgca aattcttggg ttgctcacta tgcacaattc catatctcgg	3540
aatcaccatg caattcaggc aaaagcaaaa atctcagcct gaaaacccaa acttagtccg	3600
agaattgtta gaacatgcc aattttctaga agaaaaatgc aaaaatcaag aattactgtc	3660
agaaaactcag atagaaaagga tagtcagttc tgaaaaacaa gtcaaatttt atggcatcct	3720
tcctacaaaa aagtccaaca aatctgctgg gtatgactta caatccaaca ttgatataga	3780
aatcccgcc ggaaaatgta cagtcatttc tactggaacc tttctacaaa tgccatgaca	3840
catgtatggg agacttgtag aaagaacatc tttggcaata caggggatta cagtacaagg	3900
aggagtcatt gacccagact tcacaggaga aatacagatt gttctcttca atcataatac	3960
tgctccttat cctgtgaaga aaacttacag attggtcaa attatctttg agaaatttta	4020
tactccaatc ttcattcaag aacctttcac ttcaactcaa caaggttctt caaatttttg	4080
cagtacagct aaacctctac aaatcacaga aaatatagag gttatgtctg aaacagttgc	4140

aaatcagggtt gcaaaatcta gtgtgctacc acgattatat tccattcaag cacatattca	4200
tattgcacca gatattgtta tttctacaac tgccatcatt gatacaggag caacagtctg	4260
ttgtatatct gaaaagatag taccagaagc agccaaagaa cagctcaatt acaaagttaa	4320
catttctggt atttcatctc aacagcaaatt tcagcataga ctgaaaagag gtacattaga	4380
aattgcatca aataaatatg ctctaccatt gtgttatatc attgaactca atgataaaga	4440
tgatttttct atgattcttg gatgcaattt ctttaaacad atgggggggag gaatgagggt	4500
tgaaggacct catgttactt tttacaaagg aattactacc ttgagcacct catatgcaaa	4560
tactgggtatc gatactgaac atgaacaaat taccagtaca acctctcagt cttttaaaga	4620
aagattttct cccttaatga atgaacttaa agcagcaggc tacattggag aagatcctct	4680
caaacattgg tctaaaaaca agtcacatg caaattagac ctgaagaata cagagattac	4740
tattcaggat aagcccttaa gacacatcac acctgctctg gaacaatcat atggtcgtca	4800
tgttaatgct ctactcatgc ttaagggttat tcaaccttcc aaaagtagac acagaacaat	4860
ggctttccta gtaaactctg gcaccactgt tacagctgat ggaaaagaaa tcaaaggtaa	4920
agagcgtatg gtctttaatt acaaagccct caatgacaac acctacaaag accaatactc	4980
attaccaaatt attcagctta ttttgaaaaa ggtgatcaat agcactatct attctaaatt	5040
tgatctgaaa tctggttttc accaagttgc tatggatccc gattctgtgg aatggacagc	5100
tttcctagtt ccacaagggt tatatgaatg gctggcaatg ccttttggcc tcaaaaatgc	5160
tccagccgta tttcaaagaa aaatggatgc agtattcaaa ggggtgtgaaa aattcctcgc	5220
agtctatatt gatgatattc tgggtattttc aaacaatgag gaagatcatg caaaacacct	5280
ggatcatcatg cttcagcggg gtaaagaaca tgggtcttggt ctttcaccta caaaaatgaa	5340
tattgcagtt agagaagtta attttcttgg agccactatt ggcagcagaa aagttaaact	5400
ccaagaaaat attatcaaga agatccttga ctttgataga gagaaacttc aatcaaaaaa	5460
gggtcttcgt tcatttctgg gaattcttaa ctatgcccga aatcatattc caaatctcgg	5520
gaaaatagcc ggacctctct attccaaaac ttccatatat ggtgatatca gattttcagc	5580
atctgattgg aagttaatca atgaaatcaa ggctattggt gagaagctcc caccacttga	5640
ttatcctcca gaacaagcct acatcattat tgaatctgat gggtgtatgg aaggatgggg	5700
cgctatttgt aaatggaagc tcgcagaata tgaccccaag tcaagtgaac aaatttgtgc	5760
gtatgctagt ggtaaattct ctccaatcaa atccactatc gacgcagaaa ttactgccgc	5820
catggaaggg ttagaagcat tcaagatcca ttacttggat aaacaaaaaa taaccctccg	5880

cactgattgc caggcaatca tctcattctg caacaagact tcagtcaaca agccttcacg	5940
ggtagatgg ttgaagttca ttgattatat tactaacact ggaattgatg ttaaatttga	6000
acatattgat gctaaaaata atgtcttagc tgacactctg tccagggttag ttaacacttt	6060
gcaggatttg ccatggctag atgaacctca tcaggatcaa acagtctccc tgatgcagga	6120
aattgaagat gcacctcttg aaatcaagca gcgttcttta acctgcttac agagactgat	6180
ctgtagaagc ttcattggaag attctacaga agaagctatt cacttctctg aagatgataa	6240
gatcgagcca acagctgagt catcaacccc aattactttg gatgaatttt caagaaaaag	6300
attccaagaa catacagatc tcttagaaga atttcaatta actttgcttc aaattaatct	6360
tcttgaagca tctcttcattg aacgattaat gaaatgccaa agttatgcaa cgagagataa	6420
tttctgggga gattggctgc ctgaagctcg cagagatctt ttgcaaattc aactagccaa	6480
agaaatcatc gagaagggtc gtgaaaagct tcactctatc tag	6523

<210> 2
 <211> 7458
 <212> DNA
 <213> Taro bacilliform virus

<400> 2	
tggtatcaga gctatgggtga tgttttctat ggctatggca gcgtaaactt cttctgctca	60
agaggggaagt ctaccatgtc ttttatttgc tgatgcaact tcatttaatt tgcctatatt	120
ttgtttgata tatctcatta ttgtgaagcc tcgtacttac agtacagacc gataacataa	180
ggtaagctaa ggtagcaggc aaaagaggga acaaagtagc cgcaggagaa aggcgaagaa	240
gtaccgtgag tcttctaccc gaaacttact aagtgttatt tctatctggg atagttagg	300
tcttgaaaaa taatgcgacc ttacaattat atgatttata tcacatttta tggcaaagaa	360
atttgaagca gctattaaag actggtatga taactctcga cgagcagatc tttcctatct	420
tgacctagcc accactacaa aaccttctgc atcacaatta gtcataatc tacaagtcac	480
ttttgataga ttatccttac attcttcagt ctccattaag gaacattacg aagtagttag	540
caaacttcat tctttggaaa aatctataga agaattaaag tctgaattga ctacgggtcaa	600
aagggttcta acttctatcc aaaaagaagt ttccaccac aaaccctca cagcacagga	660
agtgcaaacc cttgcacaaa gtctgatcaa agaacctag caaatagaac agcaggccgt	720
atttcttcta aaggagctta aagaacaaac agcaaaaatt caagctttgc tccacgagct	780
taaaagttga tgtctgtacc taattccaca taccagggt acatcaaaag tttagaagaa	840

acaaaagtct taggagatcc atctgtagga ttctctgaaa ttcttaccac tgctatcgga	900
accgctacag gtttttcaac tctttataag cagaacaata caatcatcaa tctgcttata	960
tctcttcata aaaagggttg tagcctctcc aaaaagacag acgtcgacga gttagccact	1020
gagttgtcca aactcacaat caaggatacc ccaaaggtta aggctaaaac tcctctatac	1080
gtcttcaaga gtccccgtct tatcctcgaa gaggaaagat ataaaatcgg ccttcctcct	1140
accactaccg attggacttg gcctgtagga catccttttg ctctccacc aaaaacatcc	1200
acaaaggcat ccacctcttc ttaaagatgt ctttagcagt tcgtgatcgt ggttccaacc	1260
cttccacctc ttctacagtc cctagtcagc aggaccagat tcgggattat agaaacatgc	1320
aaagagttcg tcatacagcg gaaagagcag caaggagaat cttccctgga agattcaata	1380
gaactctgga atcacaaatc aatccagagg cagaaatccg tctttctcaa caaagacgag	1440
cagcaatggg cccagcagaa gtattataca atacttctcc atcaacaaga aatcagaaa	1500
tgtatcagca ctattctgaa gaaagaattc tttgtacagg aaaaaatcag caattaaatt	1560
tgccatttat taatgaatct tcttacagag ccctcagaga atcagggtcaa cagcatcttc	1620
acataggcct gatcatgatt cgtgtacatc ctcttcatcg gcgaaatgca ggaacgacag	1680
ctcttattgt ccctcgagac ataagatgga atgatgacag atctatcatt ggcaccatgg	1740
agatagatct cagcgccgga tcccaaattg tttatattgc cccaaatatc atgctatctg	1800
ttgaagattt ttatcgcaac atacaacttg cgattcaaac tcagggctat gaaaactgga	1860
actctgccga gagtaacttg ctcatctctc gcgctcttat tggctgtctg acaaacgaca	1920
gttttacagg attccagtac aatatctcta atgttgctga gtacttgac agtcatggtg	1980
tgcaagctat tgaaggacaa gtcattcaa gaaccctcgg caatcgatgg atcctacaag	2040
caccagcacc accaaggctc ctctgtccac aaaacgtgga gaccaccact cttctggatg	2100
gtaatgtgtc tatacgtttc tccaattacc atcaagcacc agttaatgat actcaggata	2160
attctcatcc tgatatccaa gaagacgaaa accaattcat tggttttctt tctgatttgg	2220
gggaagaata tgaattggag tatccttctt tctactccagt tcatgcagat gaattcattt	2280
ttataatcat taatggggaa gaaattcccg atgattttgt ctcatctttt tgttccaatt	2340
tctctcctcc accaattcca gaaccagaac ccacagccat tgaagaaaca gcttttactt	2400
tggaagaaca attcaatgac ctggactatc ctaccctcat ttcaatggaa aaacaattag	2460
tccagtcttc agttacttca gcttacaacc caccacaga acctcttatg ggtcaggtag	2520

tctatccacc agcatctgca cctagaccac aagctgaaac ttcttcaacc tctgaaagat	2580
tcaaaaatTTT cagagcaaag ccatatagta ccccgactat tttcctacct ccagcataca	2640
atcaacaagg ggctatatta gttcttcctg atgacattgg cttatatgaa gataaccattt	2700
ctcgttggga gtccattact ctcaacatga tgaatgaaaa ggTTTggcca tcaaatgaag	2760
caaaggccaa atatatggaa aatctcttag gagaaatgga gaagaagaca tggatacaat	2820
ggaggaccac atatgtatcc gaatatgatg ctttggTcca acaaagtgat gaaacacaga	2880
acctcctgtc tcaggtaagg aggatatttc tgctacaaga cccatatcaa ggatcaactg	2940
cggacaaga tcaggcatat aatgatcttg aaagaatttc ttgtgataat attaaggatt	3000
taattcctta tctgattcag ttccgcaatt tagctgcaaa atctggacgc ttgttcttag	3060
gtccagaatt atctgaaaaa ttattcagaa aaatgccgcc tctaataggc aaagaaattg	3120
aaacagcatt catagcaaag catggtaatg caaacatcac tgttatgcct cgcattcatt	3180
ttgcttacca ttatcttgct gaattatgta aaaaggcagc attacagaga tcattgaagg	3240
atctcagctt ctgcaaccag attcctctcc caggaatcta taaaaaggc aacaagaagt	3300
ttggtcttcg aaaggccaga acatacaaag gaaaaccaca tccaacacat gtacgggtat	3360
tcaaaaaggc aaaataccag cgtacaaaga agtgcaaattg ctttatatgt ggtgaaccag	3420
gacattttgc tcgagaatgc acaaagcaaa gaggaaatat tgtacgagca acagtacatc	3480
aagaactggc cataccagat aattttgatg ttgtttctgt ggatgcagat gaatctgaca	3540
gctctggcat ctacagttat tcggaaaatg aagctcctct gcaagaagta aattctttca	3600
ttcatgatga aaatatcttt ttcttatctg atgcagacga gtttgaaagc ccacaacagc	3660
atcttcatga aacggtaaatt atgcttcaat ctagatctgc ttatttacct caagtagctg	3720
ttggagaaga aaaattgaat tgtagtcaca tttggctaca agatgttgat attccatctg	3780
ataagcacia atgccacaca tgtagaagag aactcagaa acattacaga ctggaatgtc	3840
aaaaatgcaa attcttggtt tgctcactat gcacaattcc atatctcgga atcaccatgc	3900
aattcaggca aaagcaaaaa tctcagcctg aaaacccaaa cttagtccga gaattgttag	3960
aacatgccat ttttctagaa gaaaaatgca aaaatcaaga attactgtca gaaactcaga	4020
tagaaaggat agtcagttct gaaaaacaag tcaaatTTTa tggcatcctt cctacaaaaa	4080
agtccaacia atctgctggg tatgacttac aatccaacat tgatatagaa atcccgccag	4140
gaaaatgtac agtcatttct actggaacct ttctacaaat gcctgacaac atgtatggta	4200
gacttgtaga aagaacatct ttggcaatac aggggattac agtacaagga ggagtcattg	4260

accagactt	cacaggagaa	atacagattg	ttctcttcaa	tcataatact	gctccttatt	4320
ctgtgaagaa	aacttacaga	ttggctcaaa	ttatctttga	gaaattttat	actccaatct	4380
tcattcaaga	acctttcact	tcaactcaac	aagggtcttc	aaattttggc	agtacagcta	4440
aacctctaca	aatcacagaa	aatatagagg	ttatgtctga	aacagttgca	aatcaggttg	4500
caaaatctag	tgtgctacca	cgattatatt	ccattcaagc	acatattcat	attgcaccag	4560
atattgttat	ttctacaact	gccatcattg	atacaggagc	aacagtctgt	tgtatatctg	4620
aaaagatagt	accagaagca	gccaaagaac	agctcaatta	caaagttaac	atttctggta	4680
tttcatctca	acagcaaatt	cagcatagac	tgaaaagagg	tacattagaa	attgcatcaa	4740
ataaatatgc	tctaccattg	tgttatatca	ttgaactcaa	tgataaagat	gatttttcta	4800
tgattcttgg	atgcaatttc	tttaaacata	tggggggagg	aatgaggttt	gaaggacctc	4860
atgttacttt	ttacaaagga	attactacct	tgagcacctc	atatgcaa	actgggtatcg	4920
atactgaaca	tgaacaaatt	accagtacaa	cctctcagtc	ttttaaagaa	agattttctc	4980
ccttaatgaa	tgaacttaaa	gcagcaggct	acattggaga	agatcctctc	aaacattgggt	5040
ctaaaaacaa	agtcacatgc	aaattagacc	tgaagaatac	agagattact	attcaggata	5100
agcccttaag	acacatcaca	cctgctctgg	aacaatcata	tggtcgtcat	gttaatgctc	5160
tactcatgct	taaggttatt	caaccttcca	aaagtagaca	cagaacaatg	gctttcctag	5220
taaactctgg	caccactggt	acagctgatg	gaaaagaaat	caaaggtaaa	gagcgtatgg	5280
tctttaatta	caaagccctc	aatgacaaca	cctacaaaga	ccaatactca	ttaccaaata	5340
ttcagcttat	tttgaaaaag	gtgatcaata	gcactatcta	ttctaaattt	gatctgaaat	5400
ctgggttttca	ccaagttgct	atggatcccg	attctgtgga	atggacagct	ttcctagttc	5460
cacaagggttt	atatgaatgg	ctggcaatgc	cttttggcct	caaaaatgct	ccagccgtat	5520
ttcaaagaaa	aatggatgca	gtattcaaag	gggtgtgaaaa	attcctcgca	gtctatatattg	5580
atgatattct	ggatattttca	aacaatgagg	aagatcatgc	aaaacacctg	gtcatcatgc	5640
ttcagcggtg	taaagaacat	ggtcttggtc	tttcacctac	aaaaatgaat	attgcagtta	5700
gagaagttaa	ttttcttgga	gccactattg	gcagcagaaa	agttaaactc	caagaaaata	5760
ttatcaagaa	gatccttgac	tttgatacag	agaaacttca	atcaaaaaag	ggtcttcggt	5820
catttctggg	aattcttaac	tatgcccga	atcatattcc	aaatctcggg	aaaatagccg	5880
gacctctcta	ttccaaaact	tccatatatg	gtgatatcag	attttcagca	tctgattgga	5940


```

agttaatcaa tgaaatcaag gctattgttg agaagctccc accacttgat taccctccag 6000
aacaagccta catcattatt gaatctgatg gttgtatgga aggatggggc gctatttgta 6060
aatggaagct cgcagaatat gacccaagt caagtgaaca aatttggtcg tatgctagt 6120
gtaaattctc tccaatcaaa tccactatcg acgcagaaat tactgccgcc atggaaggg 6180
tagaagcatt caagatccat tacttgata aacaaaaaat aaccctccgc actgattgcc 6240
aggcaatcat ctcatctgc aacaagactt cagtcaaca gccttcacgg gttagatgg 6300
tgaagttcat tgattatatt actaactctg gaattgatgt taaatttgaa catattgat 6360
ctaaaaataa tgtcttagct gacactctgt ccaggtagt taacactttg caggatttgc 6420
catggctaga tgaacctcat caggatcaaa cagtctccct gatgcaggaa attgaagatg 6480
cacctcttga aatcaagcag cgttctttaa cctgcttaca gagactgatc tgtagaagct 6540
tcatggaaga ttctacagaa gaagctattc acttctctga agatgataag atcgagccaa 6600
cagctgagtc atcaacccca attactttgg atgaattttc aagaaaaaga ttccaagaac 6660
atacagatct ctagaagaa tttcaattaa ctttgcttca aattaatctt cttgaagcat 6720
ctcttcatga acgattaatg aaatgccaaa gttatgcaac gagagataat ttctggggag 6780
attggctgcc tgaagctcg agagatcttt tgcaaattca actagccaaa gaaatcatcg 6840
agaaggttcg tgaagagctt cactctatct agataggatt ctttgtgtgt gagtggcgca 6900
cttgcgcata atgtagtaag gaattattgt acttttacgc tggacgccac taggctccat 6960
gctttctgta atgtcacatc acttttacga attgagcctc ggggagccgt tcgtacaaag 7020
tagatgcttt tctagtcaca tctgactttt ctaaaagcag atgccatcaa ctttattcga 7080
gttgagcctc ggggagccgc tcgtttaaag atgctctttt gaaaatgaca gcgcgtggtg 7140
cgatgtcatt ctacctttt ctttaatgcg tcggccaccg actgcattat tgagattctc 7200
ttatcccttt gccacctcat cggttgcatt attgggattt cgtatcgagt cgagggacga 7260
ggcctccact actcctataa aaggacctca acccctcaga agaacggcaa gccggaaaca 7320
ccgaacttcc cattcttctc ttgagtcttt ctttgagct tgagcttggtg tgtaatcttt 7380
catagtttct aagtctccga agaacgagca ccgtctcgtg aaggagccga tccttttcca 7440
accacacttt ttctacct 7458

```

```

<210> 3
<211> 146
<212> PRT
<213> Taro bacilliform virus

```

<400> 3

Met Ala Lys Lys Phe Glu Ala Ala Ile Lys Asp Trp Tyr Asp Asn Ser
1 5 10 15

Arg Arg Ala Asp Leu Ser Tyr Leu Asp Leu Ala Thr Thr Thr Lys Pro
20 25 30

Ser Ala Ser Gln Leu Ala His Asn Leu Gln Val Ile Phe Asp Arg Leu
35 40 45

Ser Leu His Ser Ser Val Ser Ile Lys Glu His Tyr Glu Val Val Ser
50 55 60

Lys Leu His Ser Leu Glu Lys Ser Ile Glu Glu Leu Lys Ser Glu Leu
65 70 75 80

Thr Thr Val Lys Arg Ala Leu Thr Ser Ile Gln Lys Glu Val Phe Thr
85 90 95

His Lys Pro Leu Thr Ala Gln Glu Val Gln Thr Leu Ala Gln Ser Leu
100 105 110

Ile Lys Glu Pro Lys Gln Ile Glu Gln Gln Ala Val Phe Leu Leu Lys
115 120 125

Glu Leu Lys Glu Gln Thr Ala Lys Ile Gln Ala Leu Leu His Glu Leu
130 135 140

Lys Ser
145

<210> 4

<211> 144

<212> PRT

<213> Taro bacilliform virus

<400> 4

Met Ser Val Pro Asn Ser Thr Tyr Pro Gly Tyr Ile Lys Ser Leu Glu
1 5 10 15

Glu Thr Lys Val Leu Gly Asp Pro Ser Val Gly Phe Ser Glu Ile Pro
20 25 30

Thr Thr Ala Ile Gly Thr Ala Thr Gly Phe Ser Thr Leu Tyr Lys Gln
 35 40 45

Asn Asn Thr Ile Ile Asn Leu Leu Ile Ser Leu His Lys Lys Val Asp
 50 55 60

Ser Leu Ser Lys Lys Thr Asp Val Asp Glu Leu Ala Thr Glu Leu Ser
 65 70 75 80

Lys Leu Thr Ile Lys Asp Thr Pro Lys Val Lys Ala Lys Thr Pro Leu
 85 90 95

Tyr Val Phe Lys Ser Pro Arg Leu Ile Leu Glu Glu Glu Arg Tyr Lys
 100 105 110

Ile Gly Leu Pro Pro Thr Thr Thr Asp Trp Thr Trp Pro Val Gly His
 115 120 125

Pro Phe Ala Pro Pro Pro Lys Thr Ser Thr Lys Ala Ser Thr Ser Ser
 130 135 140

<210> 5
 <211> 1881
 <212> PRT
 <213> Taro bacilliform virus

<400> 5

Met Ser Leu Ala Val Arg Asp Arg Gly Ser Asn Pro Ser Thr Ser Ser
 1 5 10 15

Thr Val Pro Ser Gln Gln Asp Gln Ile Arg Asp Tyr Arg Asn Met Gln
 20 25 30

Arg Val Arg His Thr Ala Glu Arg Ala Ala Arg Arg Ile Phe Pro Gly
 35 40 45

Arg Phe Asn Arg Thr Leu Glu Ser Gln Ile Asn Pro Glu Ala Glu Ile
 50 55 60

Arg Leu Ser Gln Gln Arg Arg Ala Ala Met Val Pro Ala Glu Val Leu
 65 70 75 80

Tyr Asn Thr Ser Pro Ser Thr Arg Asn Gln Lys Val Tyr Gln His Tyr

95

Pro Val Asn Asp Thr Gln Asp Asn Ser His Pro Asp Ile Gln Glu Asp
305 310 315 320

Glu Asn Gln Phe Ile Gly Phe Leu Ser Asp Leu Gly Glu Glu Tyr Glu
 325 330 335

Leu Glu Tyr Pro Ser Phe Thr Pro Val His Ala Asp Glu Phe Ile Phe
 340 345 350

Ile Ile Ile Asn Gly Glu Glu Ile Pro Asp Asp Phe Val Ser Ser Phe
 355 360 365

Cys Ser Asn Phe Ser Pro Pro Pro Ile Pro Glu Pro Glu Pro Thr Ala
 370 375 380

Ile Glu Glu Thr Ala Phe Thr Leu Glu Glu Gln Phe Asn Asp Leu Asp
 385 390 395 400

Tyr Pro Thr Leu Ile Ser Met Glu Lys Gln Leu Val Gln Ser Ser Val
 405 410 415

Thr Ser Ala Tyr Asn Pro Pro Thr Glu Pro Leu Met Gly Gln Val Val
 420 425 430

Tyr Pro Pro Ala Ser Ala Pro Arg Pro Gln Ala Glu Thr Ser Ser Thr
 435 440 445

Ser Glu Arg Phe Lys Asn Phe Arg Ala Lys Pro Tyr Ser Thr Pro Thr
 450 455 460

Ile Phe Leu Pro Pro Ala Tyr Asn Gln Gln Gly Ala Ile Leu Val Leu
 465 470 475 480

Pro Asp Asp Ile Gly Leu Tyr Glu Asp Thr Ile Ser Arg Trp Glu Ser
 485 490 495

Ile Thr Leu Asn Met Met Asn Glu Lys Val Trp Pro Ser Asn Glu Ala
 500 505 510

Lys Ala Lys Tyr Met Glu Asn Leu Leu Gly Glu Met Glu Lys Lys Thr
 515 520 525

Trp Ile Gln Trp Arg Thr Thr Tyr Val Ser Glu Tyr Asp Ala Leu Val
 530 535 540

Gln Gln Ser Asp Glu Thr Gln Asn Leu Leu Ser Gln Val Arg Arg Ile
545 550 555 560

Phe Leu Leu Gln Asp Pro Tyr Gln Gly Ser Thr Ala Glu Gln Asp Gln
565 570 575

Ala Tyr Asn Asp Leu Glu Arg Ile Ser Cys Asp Asn Ile Lys Asp Leu
580 585 590

Ile Pro Tyr Leu Ile Gln Phe Arg Asn Leu Ala Ala Lys Ser Gly Arg
595 600 605

Leu Phe Leu Gly Pro Glu Leu Ser Glu Lys Leu Phe Arg Lys Met Pro
610 615 620

Pro Leu Ile Gly Lys Glu Ile Glu Thr Ala Phe Ile Ala Lys His Gly
625 630 635 640

Asn Ala Asn Ile Thr Val Met Pro Arg Ile His Phe Ala Tyr His Tyr
645 650 655

Leu Ala Glu Leu Cys Lys Lys Ala Ala Leu Gln Arg Ser Leu Lys Asp
660 665 670

Leu Ser Phe Cys Asn Gln Ile Pro Leu Pro Gly Ile Tyr Thr Lys Gly
675 680 685

Asn Lys Lys Phe Gly Leu Arg Lys Ala Arg Thr Tyr Lys Gly Lys Pro
690 695 700

His Pro Thr His Val Arg Val Phe Lys Lys Ala Lys Tyr Gln Arg Thr
705 710 715 720

Lys Lys Cys Lys Cys Phe Ile Cys Gly Glu Pro Gly His Phe Ala Arg
725 730 735

Glu Cys Thr Lys Gln Arg Gly Asn Ile Val Arg Ala Thr Val His Gln
740 745 750

Glu Leu Ala Ile Pro Asp Asn Phe Asp Val Val Ser Val Asp Ala Asp
755 760 765

Glu Ser Asp Ser Ser Gly Ile Tyr Ser Tyr Ser Glu Asn Glu Ala Pro
770 775 780

Leu Gln Glu Val Asn Ser Phe Ile His Asp Glu Asn Ile Phe Phe Leu
785 790 795 800

Ser Asp Ala Asp Glu Phe Glu Ser Pro Gln Gln His Leu His Glu Thr
805 810 815

Val Asn Met Leu Gln Ser Arg Ser Ala Tyr Leu Pro Gln Val Ala Val
820 825 830

Gly Glu Glu Lys Leu Asn Cys Ser His Ile Trp Leu Gln Asp Val Asp
835 840 845

Ile Pro Ser Asp Lys His Lys Cys His Thr Cys Arg Arg Asp Thr Gln
850 855 860

Lys His Tyr Arg Leu Glu Cys Gln Lys Cys Lys Phe Leu Val Cys Ser
865 870 875 880

Leu Cys Thr Ile Pro Tyr Leu Gly Ile Thr Met Gln Phe Arg Gln Lys
885 890 895

Gln Lys Ser Gln Pro Glu Asn Pro Asn Leu Val Arg Glu Leu Leu Glu
900 905 910

His Ala Ile Phe Leu Glu Glu Lys Cys Lys Asn Gln Glu Leu Leu Ser
915 920 925

Glu Thr Gln Ile Glu Arg Ile Val Ser Ser Glu Lys Gln Val Lys Phe
930 935 940

Tyr Gly Ile Leu Pro Thr Lys Lys Ser Asn Lys Ser Ala Gly Tyr Asp
945 950 955 960

Leu Gln Ser Asn Ile Asp Ile Glu Ile Pro Pro Gly Lys Cys Thr Val
965 970 975

Ile Ser Thr Gly Thr Phe Leu Gln Met Pro Asp Asn Met Tyr Gly Arg
980 985 990

Leu Val Glu Arg Thr Ser Leu Ala Ile Gln Gly Ile Thr Val Gln Gly

995					1000					1005				
Gly Val	Ile Asp	Pro Asp	Phe	Thr Gly	Glu Ile	Gln	Ile Val	Leu						
1010			1015			1020								
Phe Asn	His Asn	Thr Ala	Pro	Tyr Pro	Val Lys	Lys	Thr Tyr	Arg						
1025			1030			1035								
Leu Ala	Gln Ile	Ile Phe	Glu	Lys Phe	Tyr Thr	Pro	Ile Phe	Ile						
1040			1045			1050								
Gln Glu	Pro Phe	Thr Ser	Thr	Gln Gln	Gly Ser	Ser	Asn Phe	Gly						
1055			1060			1065								
Ser Thr	Ala Lys	Pro Leu	Gln	Ile Thr	Glu Asn	Ile	Glu Val	Met						
1070			1075			1080								
Ser Glu	Thr Val	Ala Asn	Gln	Val Ala	Lys Ser	Ser	Val Leu	Pro						
1085			1090			1095								
Arg Leu	Tyr Ser	Ile Gln	Ala	His Ile	His Ile	Ala	Pro Asp	Ile						
1100			1105			1110								
Val Ile	Ser Thr	Thr Ala	Ile	Ile Asp	Thr Gly	Ala	Thr Val	Cys						
1115			1120			1125								
Cys Ile	Ser Glu	Lys Ile	Val	Pro Glu	Ala Ala	Lys	Glu Gln	Leu						
1130			1135			1140								
Asn Tyr	Lys Val	Asn Ile	Ser	Gly Ile	Ser Ser	Gln	Gln Gln	Ile						
1145			1150			1155								
Gln His	Arg Leu	Lys Arg	Gly	Thr Leu	Glu Ile	Ala	Ser Asn	Lys						
1160			1165			1170								
Tyr Ala	Leu Pro	Leu Cys	Tyr	Ile Ile	Glu Leu	Asn	Asp Lys	Asp						
1175			1180			1185								
Asp Phe	Ser Met	Ile Leu	Gly	Cys Asn	Phe Phe	Lys	His Met	Gly						
1190			1195			1200								
Gly Gly	Met Arg	Phe Glu	Gly	Pro His	Val Thr	Phe	Tyr Lys	Gly						
1205			1210			1215								

Ile Thr	Thr Leu Ser Thr Ser	Tyr Ala Asn Thr Gly	Ile Asp Thr
1220	1225	1230	
Glu His	Glu Gln Ile Thr Ser	Thr Thr Ser Gln Ser	Phe Lys Glu
1235	1240	1245	
Arg Phe	Ser Pro Leu Met Asn	Glu Leu Lys Ala Ala	Gly Tyr Ile
1250	1255	1260	
Gly Glu	Asp Pro Leu Lys His	Trp Ser Lys Asn Lys	Val Thr Cys
1265	1270	1275	
Lys Leu	Asp Leu Lys Asn Thr	Glu Ile Thr Ile Gln	Asp Lys Pro
1280	1285	1290	
Leu Arg	His Ile Thr Pro Ala	Leu Glu Gln Ser Tyr	Gly Arg His
1295	1300	1305	
Val Asn	Ala Leu Leu Met Leu	Lys Val Ile Gln Pro	Ser Lys Ser
1310	1315	1320	
Arg His	Arg Thr Met Ala Phe	Leu Val Asn Ser Gly	Thr Thr Val
1325	1330	1335	
Thr Ala	Asp Gly Lys Glu Ile	Lys Gly Lys Glu Arg	Met Val Phe
1340	1345	1350	
Asn Tyr	Lys Ala Leu Asn Asp	Asn Thr Tyr Lys Asp	Gln Tyr Ser
1355	1360	1365	
Leu Pro	Asn Ile Gln Leu Ile	Leu Lys Lys Val Ile	Asn Ser Thr
1370	1375	1380	
Ile Tyr	Ser Lys Phe Asp Leu	Lys Ser Gly Phe His	Gln Val Ala
1385	1390	1395	
Met Asp	Pro Asp Ser Val Glu	Trp Thr Ala Phe Leu	Val Pro Gln
1400	1405	1410	
Gly Leu	Tyr Glu Trp Leu Ala	Met Pro Phe Gly Leu	Lys Asn Ala
1415	1420	1425	

Pro	Ala	Val	Phe	Gln	Arg	Lys	Met	Asp	Ala	Val	Phe	Lys	Gly	Cys
1430						1435					1440			
Glu	Lys	Phe	Leu	Ala	Val	Tyr	Ile	Asp	Asp	Ile	Leu	Val	Phe	Ser
1445						1450					1455			
Asn	Asn	Glu	Glu	Asp	His	Ala	Lys	His	Leu	Val	Ile	Met	Leu	Gln
1460						1465					1470			
Arg	Cys	Lys	Glu	His	Gly	Leu	Val	Leu	Ser	Pro	Thr	Lys	Met	Asn
1475						1480					1485			
Ile	Ala	Val	Arg	Glu	Val	Asn	Phe	Leu	Gly	Ala	Thr	Ile	Gly	Ser
1490						1495					1500			
Arg	Lys	Val	Lys	Leu	Gln	Glu	Asn	Ile	Ile	Lys	Lys	Ile	Leu	Asp
1505						1510					1515			
Phe	Asp	Thr	Glu	Lys	Leu	Gln	Ser	Lys	Lys	Gly	Leu	Arg	Ser	Phe
1520						1525					1530			
Leu	Gly	Ile	Leu	Asn	Tyr	Ala	Arg	Asn	His	Ile	Pro	Asn	Leu	Gly
1535						1540					1545			
Lys	Ile	Ala	Gly	Pro	Leu	Tyr	Ser	Lys	Thr	Ser	Ile	Tyr	Gly	Asp
1550						1555					1560			
Ile	Arg	Phe	Ser	Ala	Ser	Asp	Trp	Lys	Leu	Ile	Asn	Glu	Ile	Lys
1565						1570					1575			
Ala	Ile	Val	Glu	Lys	Leu	Pro	Pro	Leu	Asp	Tyr	Pro	Pro	Glu	Gln
1580						1585					1590			
Ala	Tyr	Ile	Ile	Ile	Glu	Ser	Asp	Gly	Cys	Met	Glu	Gly	Trp	Gly
1595						1600					1605			
Ala	Ile	Cys	Lys	Trp	Lys	Leu	Ala	Glu	Tyr	Asp	Pro	Lys	Ser	Ser
1610						1615					1620			
Glu	Gln	Ile	Cys	Ala	Tyr	Ala	Ser	Gly	Lys	Phe	Ser	Pro	Ile	Lys
1625						1630					1635			

Ser Thr	Ile Asp Ala Glu Ile	Thr Ala Ala Met Glu	Gly Leu Glu
1640	1645	1650	
Ala Phe	Lys Ile His Tyr Leu	Asp Lys Gln Lys Ile	Thr Leu Arg
1655	1660	1665	
Thr Asp	Cys Gln Ala Ile Ile	Ser Phe Cys Asn Lys	Thr Ser Val
1670	1675	1680	
Asn Lys	Pro Ser Arg Val Arg	Trp Leu Lys Phe Ile	Asp Tyr Ile
1685	1690	1695	
Thr Asn	Thr Gly Ile Asp Val	Lys Phe Glu His Ile	Asp Ala Lys
1700	1705	1710	
Asn Asn	Val Leu Ala Asp Thr	Leu Ser Arg Leu Val	Asn Thr Leu
1715	1720	1725	
Gln Asp	Leu Pro Trp Leu Asp	Glu Pro His Gln Asp	Gln Thr Val
1730	1735	1740	
Ser Leu	Met Gln Glu Ile Glu	Asp Ala Pro Leu Glu	Ile Lys Gln
1745	1750	1755	
Arg Ser	Leu Thr Cys Leu Gln	Arg Leu Ile Cys Arg	Ser Phe Met
1760	1765	1770	
Glu Asp	Ser Thr Glu Glu Ala	Ile His Phe Leu Glu	Asp Asp Lys
1775	1780	1785	
Ile Glu	Pro Thr Ala Glu Ser	Ser Thr Pro Ile Thr	Leu Asp Glu
1790	1795	1800	
Phe Ser	Arg Lys Arg Phe Gln	Glu His Thr Asp Leu	Leu Glu Glu
1805	1810	1815	
Phe Gln	Leu Thr Leu Leu Gln	Ile Asn Leu Leu Glu	Ala Ser Leu
1820	1825	1830	
His Glu	Arg Leu Met Lys Cys	Gln Ser Tyr Ala Thr	Arg Asp Asn
1835	1840	1845	
Phe Trp	Gly Asp Trp Leu Pro	Glu Ala Arg Arg Asp	Leu Leu Gln

1850	1855	1860	
Ile Gln Leu Ala Lys Glu Ile	Ile Glu Lys Val Arg	Glu Lys Leu	
1865	1870	1875	
His Ser Ile			
1880			
<210>	6		
<211>	1190		
<212>	DNA		
<213>	Taro bacilliform virus		
<400>	6		
gccttcacgg gttagatggt tgaagttcat tgattatatt actaacactg gaattgatgt			60
taaatttgaa catattgatg ctaaaaataa tgtcttagct gacactctgt ccagggttagt			120
taacactttg caggatttgc catggctaga tgaacctcat caggatcaaa cagtctccct			180
gatgcaggaa attgaagatg cacctcttga aatcaagcag cgttctttta cctgcttaca			240
gagactgatc tgtagaagct tcatggaaga ttctacagaa gaagctattc acttcctcga			300
agatgataag atcgagccaa cagctgagtc atcaacccca attactttgg atgaattttc			360
aagaaaaaga ttccaagaac atacagatct cttagaagaa tttcaattaa ctttgcttca			420
aattaatctt cttgaagcat ctcttcatga acgattaatg aaatgccaaa gttatgcaac			480
gagagataat ttctggggag attggctgcc tgaagctcgc agagatcttt tgcaaattca			540
actagccaaa gaaatcatcg agaagggttcg tgaaaagctt cactctatct agataggatt			600
ctttgtgtgt gagtggcgca cttgcgcata atgtagtaag gaattattgt acttttacgc			660
tggacgccac taggctccat gctttctgta atgtcacatc acttttacga attgagcctc			720
ggggagccgt tcgtacaaag tagatgcttt tctagtcaca tctgactttt ctaaaagcag			780
atgccatcaa ctttattcga gttgagcctc ggggagccgc tcgttttaaag atgctctttt			840
gaaaatgaca gcgcgtggtg cgatgtcatt ctacaccttt ctttaatgcg tcggccaccg			900
actgcattat tgagattctc ttatcccttt gccacctcat cggttgcatt attgggattt			960
cgtatcgagt cgagggacga ggcctccact actcctataa aaggacctca acccctcaga			1020
agaacggcaa gccggaaaca ccgaacttcc cattcttctc ttgagtcttt cctttgagct			1080
tgagcttgty tgtaatcttt catagtttct aagtctccga agaacgagca ccgtctcgtg			1140
aaggagccga tcctttttcca accacacttt ttctaccttg gtatcagagc			1190

<210> 7
 <211> 598
 <212> DNA
 <213> Taro bacilliform virus

<400> 7
 ataggattct ttgtgtgtga gtggcgact tgcgcataat gtagtaagga attattgtac 60
 ttttacgctg gacgccacta ggctccatgc tttctgtaat gtcacatcac ttttacgaat 120
 tgagcctcgg ggagccgttc gtacaaagta gatgcttttc tagtcacatc tgacttttct 180
 aaaagcagat gccatcaact ttattcgagt tgagcctcgg ggagccgctc gtttaaagat 240
 gctcttttga aaatgacagc gcgtggtgcg atgtcattct caccttttct ttaatgcgtc 300
 ggccaccgac tgcattattg agattctctt atccctttgc cacctcatcg gttgcattat 360
 tgggatttcg tatcgagtcg agggacgagg cctccactac tcctataaaa ggacctcaac 420
 ccctcagaag aacggcaagc cggaaacacc gaacttccca ttcttctctt gagtctttcc 480
 tttgagcttg agcttgtgtg taatctttca tagtttctaa gtctccgaag aacgagcacc 540
 gtctcgtgaa ggagccgac cttttccaac cacacttttt ctaccttggt atcagagc 598

<210> 8
 <211> 529
 <212> DNA
 <213> Taro bacilliform virus

<400> 8
 ggagccact aggctccatg ctttctgtaa tgtcacatca cttttacgaa ttgagcctcg 60
 gggagccgtt cgtacaaagt agatgctttt ctagtcacat ctgacttttc taaaagcaga 120
 tgccatcaac tttattcgag ttgagcctcg gggagccgct cgtttaaaga tgctcttttg 180
 aaaatgacag cgcgtggtgc gatgtcattc tcaccttttc tttaatgcgt cggccaccga 240
 ctgcattatt gagattctct tatccctttg ccacctcatc ggttgcatta ttgggatttc 300
 gtatcgagtc gagggacgag gcctccacta ctcctataaaa aggacctcaa cccctcagaa 360
 gaacggcaag ccggaaacac cgaacttccc attcttctct tgagtctttc ctttgagctt 420
 gagcttgtgt gtaatctttc atagtttcta agtctccgaa gaacgagcac cgtctcgtga 480
 aggagccgat cctttttccaa ccacactttt tctaccttgg tatcagagc 529

<210> 9
 <211> 261
 <212> DNA
 <213> Taro bacilliform virus

<400> 9
 tgccacctca tcggttgcat tattgggatt tcgtatcgag tcgagggacg aggccctccac 60
 tactcctata aaaggacctc aaccctcag aagaacggca agccggaaac accgaacttc 120
 ccattcttct cttgagtctt tcctttgagc ttgagcttgt gtgtaatctt tcatagtttc 180
 taagtctccg aagaacgagc accgtctcgt gaaggagccg atccttttcc aaccacactt 240
 tttctacctt ggtatcagag c 261

<210> 10
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Badna FP primer

<220>
 <221> modified_base
 <222> (5)..(6)
 <223> I

<220>
 <221> modified_base
 <222> (10)..(11)
 <223> I

<220>
 <221> modified_base
 <222> (18)..(19)
 <223> I

<400> 10
 atgccttygg aaraaygccc 20

<210> 11
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Badna RP primer

<220>
 <221> modified_base
 <222> (9)..(10)
 <223> I

<220>
 <221> modified_base

<222> (11)..(12)
 <223> I

<220>
 <221> modified_base
 <222> (13)..(14)
 <223> I

<220>
 <221> modified_base
 <222> (18)..(19)
 <223> I

<400> 11
 ccayttrcaa cscccccacc 20

<210> 12
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 1F primer

<400> 12
 ggatgcagta ttcaaagggt gtg 23

<210> 13
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> TRBR primer

<400> 13
 ctgcaggcgg ccgcgctctg atacca 26

<210> 14
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5F primer

<400> 14
 agtctttcct ttgagcttga gc 22

<210> 15
 <211> 25
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> G2R primer
 <400> 15
 cacacccttt gaatactgca tccat 25
 <210> 16
 <211> 12
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Cytoplasmic initiator methionine tRNA (tRNA^{met}) binding site
 <400> 16
 tggatcaga gc 12
 <210> 17
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> F-GTN primer
 <400> 17
 ctgcagatag gattctttgt gtgtg 25
 <210> 18
 <211> 24
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> R-GTN primer
 <400> 18
 ccatgggctc tgataccaag gtag 24
 <210> 19
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> P527-F primer
 <400> 19
 ctgcagggac gccactaggc 20

<210> 20
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> P257-F primer

 <400> 20
 ctgcaggcca cctcatcggt tgc 23

 <210> 21
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> P114-F primer

 <400> 21
 ctgcaggagc ttgagcttgt gtg 23

 <210> 22
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> FP-as-1 primer

 <400> 22
 ctgcaggcct tcacgggtta gatg 24

 <210> 23
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> TRBR-Bam primer

 <400> 23
 ggatccgctc tgataccaag gtag 24

 <210> 24
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> FP-6765-pro primer

<400> 24	
ctgcaggggg agattggctg c	21
<210> 25	
<211> 28	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> P600Not-F primer	
<400> 25	
ggaagcttgc ggccgccgag aaggttcg	28
<210> 26	
<211> 30	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> P600Bgl-R primer	
<400> 26	
gcggaagatc ttgctctgat accaaggtag	30
<210> 27	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> RP-leader primer	
<400> 27	
ccatggatca tataattgta aggtcgc	27
<210> 28	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> GUS1 primer	
<400> 28	
atgtttacgt cctgt	15
<210> 29	
<211> 12	
<212> DNA	
<213> Artificial Sequence	

<220>
<223> GUS2 primer

<400> 29
ttacttggtt gc

12

27